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CONFIDENTIAL

26 February 1954

SEE REVERSE FOR DECLASSIFICATION ACTION

MEMORANDUM FOR: CHIEF/TSS

SUBJECT: Aerojet-General Corp. Proposal for Research on
Vortex Rings

REFERENCE: Letter to Admiral de Florez, ONR, from Aerojet-
General Corp, dated 16 February 1954, Subject:
Proposal for Study of Aerial Vortex Rings

1. Admiral de Florez recently discussed with representatives of the Aerojet-General Corp. the feasibility of applying the aerial vortex ring principle as a weapon. The outcome of this discussion was the reference letter, in which the Aerojet-General Corp. proposed to undertake a research project on the subject.

2. The proposal contained in the reference letter was studied and discussed by [redacted] APD/TSS, Dr. Sidney Gottlieb, CD/TSS, and [redacted] CD/TSS. It was concluded that

(a) the suggested investigation and the proposed goals are technically sound,

(b) weapons which could reasonably be expected to be developed from such an investigation could be of value to the Agency,

(c) CD/TSS would have an interest in the project from the standpoint of its practical application, and

(d) APD/TSS would have an interest because of the nature of the investigation.

It was further concluded that it will probably be desirable to alter somewhat the direction of the investigation, if it is to be of maximum value to TSS. However, a definite decision on this should be made after the initial literature survey and theoretical study called for in the proposal. At that time it will probably be desirable to instruct the contractor to concentrate his efforts on small-scale weapons.

3. The following is recommended:

- (a) the proposal be accepted,
- (b) CD/TSS have primary responsibility for the project, and
- (c) APD/TSS have an advisory and technical responsibility in the project.

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Chemical Division, TSS

APPROVED:

Chief, Chemical Division, TSS

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Chief, APD/TSS

Distribution:

— Addressee - Orig. & 1
— APD - 1
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RVL/mk Aerojet-General Corp. Proposal for Research on
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